



## Kweh

by Arya Akhavan (November 2012)

Angles for R.I. = 1.760

45 + 4 girdles = 49 facets

4-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.305 U/W = 0.305

P/W = 0.329 C/W = 0.138

Vol./W<sup>3</sup> = 0.106

### PAVILION

P1	44.22°	12-36-60-84	Cut to centerpoint.
G1	90.00°	12-36-60-84	Set stone size.
P2	41.22°	11-13-35-37- 59-61-83-85	Meet P1, G1

### CROWN

C1	56.87°	12-36-60-84	Set girdle width.
C2	27.06°	06-18-30-42- 54-66-78-90	Meet G1, C1
C3	22.42°	96-24-48-72	Meet G1, C1, C2
C4	22.42°	07-17-31-41- 55-65-79-89	Meet C1, C2
C5	16.04°	02-22-26-46- 50-70-74-94	Meet C2, C3, C4
T	0.00°	Table	Meet C4, C5

I was in the mood for something simple and fast, with less than 50 facets but good light return, that worked for shallow rough. You can even scale this shallower for corundums - set P2 to 40.29\* and C3 to 13.91\*. I like this in yellow sapphire, but works in materials from feldspar to rutile (RI = 1.52 - 2.62) with no changes.

Suggested size = 4-8 mm

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